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PN - JP11298231 A 19991029

TI - ANTENNA SYSTEM

AB - PROBLEM TO BE SOLVED: To provide an antenna system with which miniaturization, band widening and gain-up can be attained.

- SOLUTION: A first radiation element 101 and a second radiation element 102 are linearly arranged parallelly with a ground plate 104 with a spacer 103 inbetween and connected through a switching element 105. When the switching element 105 is turned 'off', only the first radiation element 101 is operated as a microstrip antenna device to be resonated for a length  $\lambda/2$  and when the switching element 105 is turned 'on', this system is operated as a microstrip antenna device to be resonated for a length  $\lambda/2$  adding the first radiation element 101 and the second radiation element 102.

I - H01Q13/08 ;H01P1/15 ;H01Q1/24 ;H01Q5/00 ;H01Q23/00

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IN - EGAWA KIYOSHI;TO HIDEO

ABD - 20000131

ABV - 200001

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